Razón Social / FUNDACIÓN TECNALIA RESEARCH & INNOVATION Nº F-69 Registro de Fundaciones del Gobierno Vasco CIF G48975767

REPORT No. 14_06517-2-a

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APPLICANT	JORGE PUJOL
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PURPOSE	HUMIDITY TEST IN ACCORDANCE WITH UNE-EN ISO 12543-4:2011
SAMPLE TESTED	LAMINATED GLASS REF. «EVALAM VISUAL»
DATE OF RECEIPT	26.02.2013
TEST DATES	27.02.2013 – 13.03.2013
DATE ISSUED	10.07.2014

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* The results of this report solely and exclusively concern the material tested at the time and under the conditions in which the measurements were taken.
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CHARACTERISTICS OF THE SAMPLES

On 26th February 2013, TECNALIA received three test specimens of laminated glass with 0.38 mm EVA interlayer of internal reference 900031E/A measuring (300 x 100 x 5+5) mm and referred to as:

«EVALAM VISUAL»

TEST REQUESTED

The test requested is the humidity test with condensation in accordance with clause 6 of UNE-EN ISO 12543-4:2011 standard *"Glass in building. Laminated glass and laminated safety glass. Part 4: Test methods for durability»*

TEST CARRIED OUT

The test involves placing the test specimens vertically over water in a closed chamber and maintaining them there for two weeks at a temperature of (52.5±2.5) ºC. These conditions give a relative humidity of about 100% and lead to water condensing on the surface of the test specimen.

The test specimens are allowed to cool and dry to room temperature and they are inspected to assess the appearance of any faults in the interlayer (bubbles, cloudiness, etc.).

RESULTS

Slight opacity appeared on the edges of the three test specimens, but less than 15 mm from the edge.

Requirement: In accordance with clause 5.2. of UNE-EN ISO 12543-2:2011 standard, in the visual evaluation of the test specimens of laminated safety glass, no fault whatsoever must be found (bubbles, delamination, haze, cloudiness).

RESULT: SATISFACTORY

The following photo shows test specimens after the test.